

United States
Department of
Agriculture

Forest
Service

Northeastern Area
State & Private
Forestry

180 Canfield Street
Morgantown, WV 26505

WV-OH
ACOE
draft + Map
2

Reply To: 3460/3410

Date: December 20, 1993

Mike Fowles
U.S. Army Corps of Engineers
Pittsburgh District
Loyalhanna Lake
R.D. #2
Saltsburg, PA 15681-9302

Dear Mr. Fowles:

Summaries of the 1983-1993 gypsy moth trapping programs conducted at each of five Army Corps of Engineers sites within the Pittsburgh District are enclosed for your information (Table 1). Also enclosed are maps showing trap locations (Figures 1-5). The purpose of the trapping program is to monitor low level gypsy moth populations and to help us determine when more intensive survey methods should be employed. Male moth catches have increased significantly at all five sites (Berlin Lake, Michael J. Kirwan Dam, Mosquito Creek Lake, Stonewall Jackson Dam and Tygart Lake) this past season.

Michael J. Kirwan Dam personnel deployed burlap banding at all trap locations and found four gypsy moth larvae and one pupae at trap location #3. Tygart Lake conducted an egg mass survey (five-minute walks) and found one gypsy moth egg mass at trap locations #5 and #11. Berlin Lake and Stonewall Jackson Dam personnel found zero egg masses.

We would like to continue the trapping program at the same intensity at Stonewall Jackson Dam in 1994. The remaining sites have high trap averages (exceeding 150 moths per trap) and Corps personnel are annually conducting egg mass surveys and/or deploying burlap banding. If Corps personnel continue to conduct these more intensive surveys, then trapping at these sites is not necessary for our purposes. However, we will continue to support those resource managers that wish to continue trapping at their site.



Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556.

Sincerely,



KAREN D. FELTON
Biological Technician
Forest Health Protection

Enclosures

cc: AO

Robby L. Young, Berlin Lake
Susan Kline, Michael J. Kirwan Dam - René Berbench
Douglas Krider, Mosquito Creek Lake
James Devore, Stonewall Jackson Dam
Patrick A. Docherty, Tygart Lake
Allen Baumgard, OHDA
Charles Coffman, WVDA
Jan Hacker, WVDA

KDF/mae

Table 1.--Summary of the 1983-1993 gypsy moth trapping results,
Pittsburgh District, U.S. Army Corps of Engineers.

Berlin Lake (Portage, Stark and Mahoning Counties, OH)

<u>Year</u>	<u>Number of Traps</u>	<u>Total Moths Caught</u>	<u>Positive Catch Trap Number</u>
1983			No traps sent
1984	10	16	2,5
1985	10	0	--
1986	10	16	1,3-8
1987			Traps not deployed
1988	12	9	1,4,11
1989			Traps not deployed
1990	?	74	All
1991	11	63	All
1992	15	370	All
1993	15	4712	All

Michael J. Kirwan Dam (Portage County, OH)

<u>Year</u>	<u>Number of Traps</u>	<u>Total Moths Caught</u>	<u>Positive Catch Trap Number</u>
1983	10	0	--
1984	10	0	--
1985	10	0	--
1986	10	9	1,4-6,8,9
1987	10	1	1
1988	10	4	3,6,7
1989	10	56	All
1990	10	97	All
1991	10	168	All
1992	10	673	All
1993	10	1592	All

Mosquito Creek Lake (Trumbull County, OH)

<u>Year</u>	<u>Number of Traps</u>	<u>Total Moths Caught</u>	<u>Positive Catch Trap Number</u>
1983	10	1	2
1984	10	0	--
1985	10	5	2,3,10
1986	10	48	All
1987	10	63	All
1988	10	59	All
1989	10	132	1,2,3,6,7,9
1990	10	130	All
1991	10	233	All
1992	10	335	1,2,4,6,7,9,10
1993	10	4796	All

Stonewall Jackson Dam (Lewis County, WV)

<u>Year</u>	<u>Number of Traps</u>	<u>Total Moths Caught</u>	<u>Positive Catch Trap Number</u>
1983			No traps sent
1984	20	0	--
1985	23	1	6
1986	24	5	2,5,10,14,24
1987	24	4	18,23
1988	25	2	4,11
1989	25	6	11,16,18,20,22
1990	25	51	19,20-23
1991	25	19	5-9,15,17,18,20,20-23
1992	27	123	All except 2,23,25
1993	26	304	All except 22

Tygart Lake (Taylor County, WV)

<u>Year</u>	<u>Number of Traps</u>	<u>Total Moths Caught</u>	<u>Positive Catch Trap Number</u>
1983	10	0	--
1984	10	3	8,1 or 2
1985	10	4	1,6
1986	9	25	1,3,6-9
1987	11	48	All except 4,5,11
1988	13	10	8-11
1989	13	564	All except 9
1990	13	785	All
1991	12	755	All except 3
1992	12	864	All
1993	12	6918	All

Figure 1.--1993 gypsy moth trap locations.

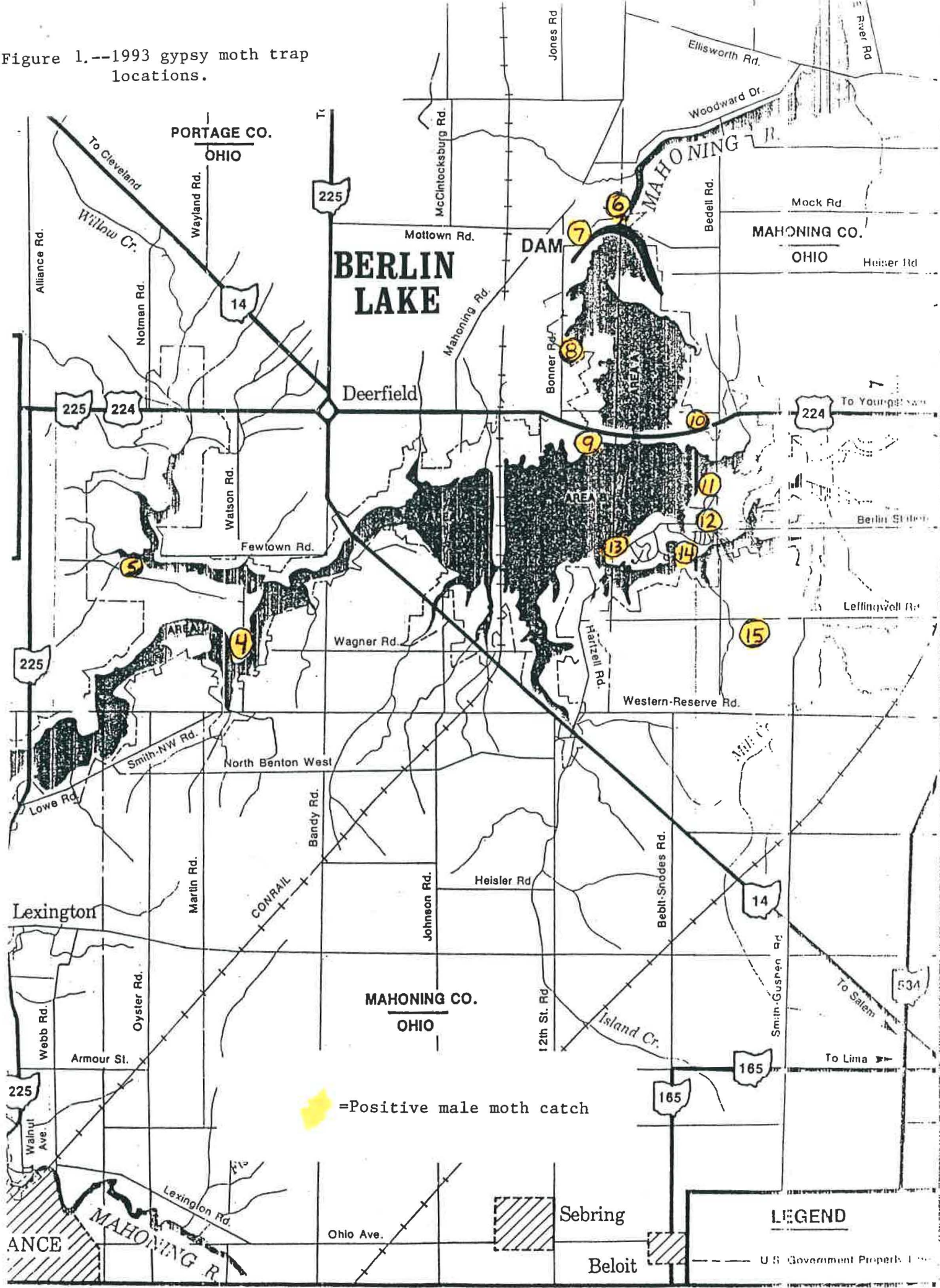
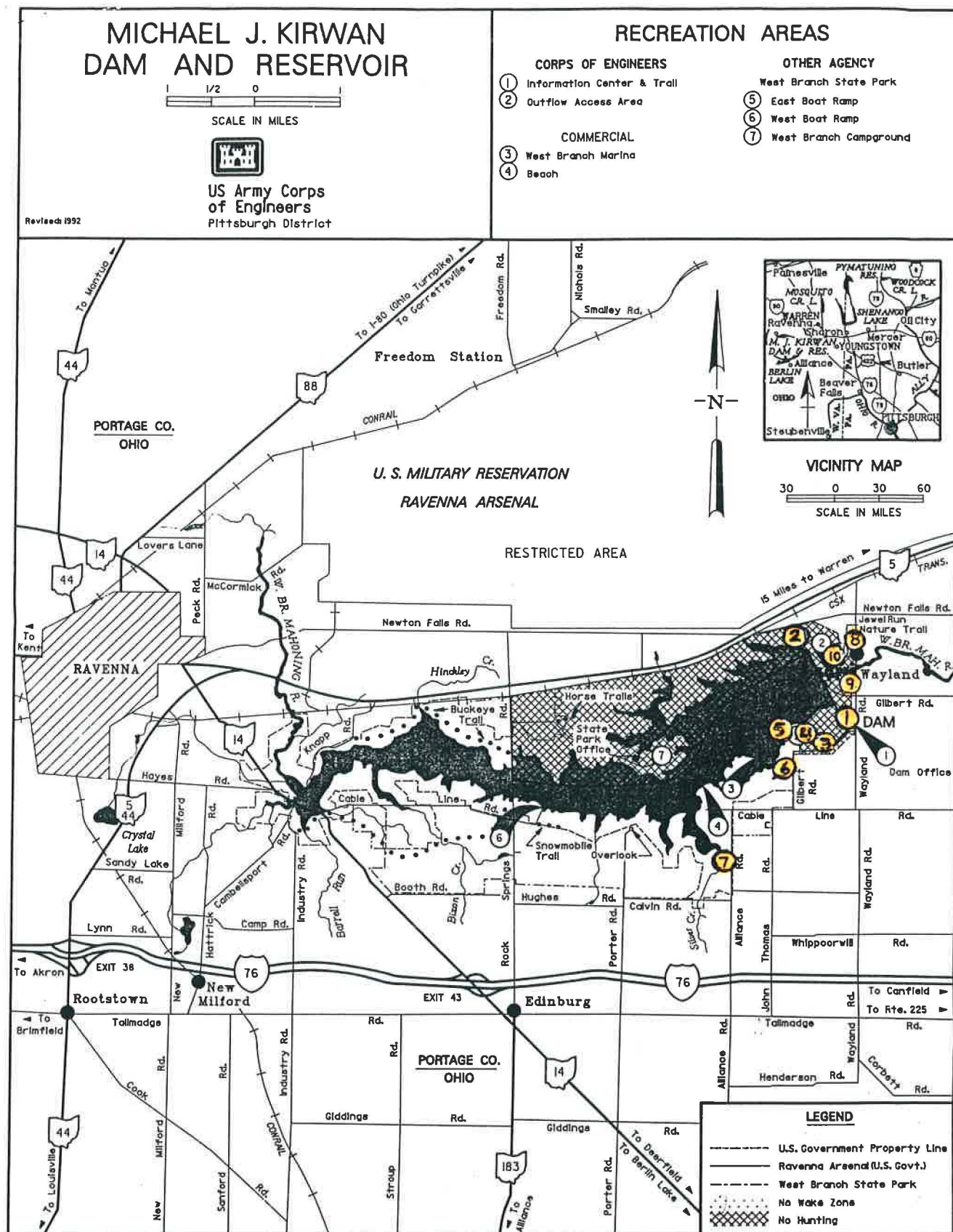


Figure 2.--1993 gypsy moth trap locations.

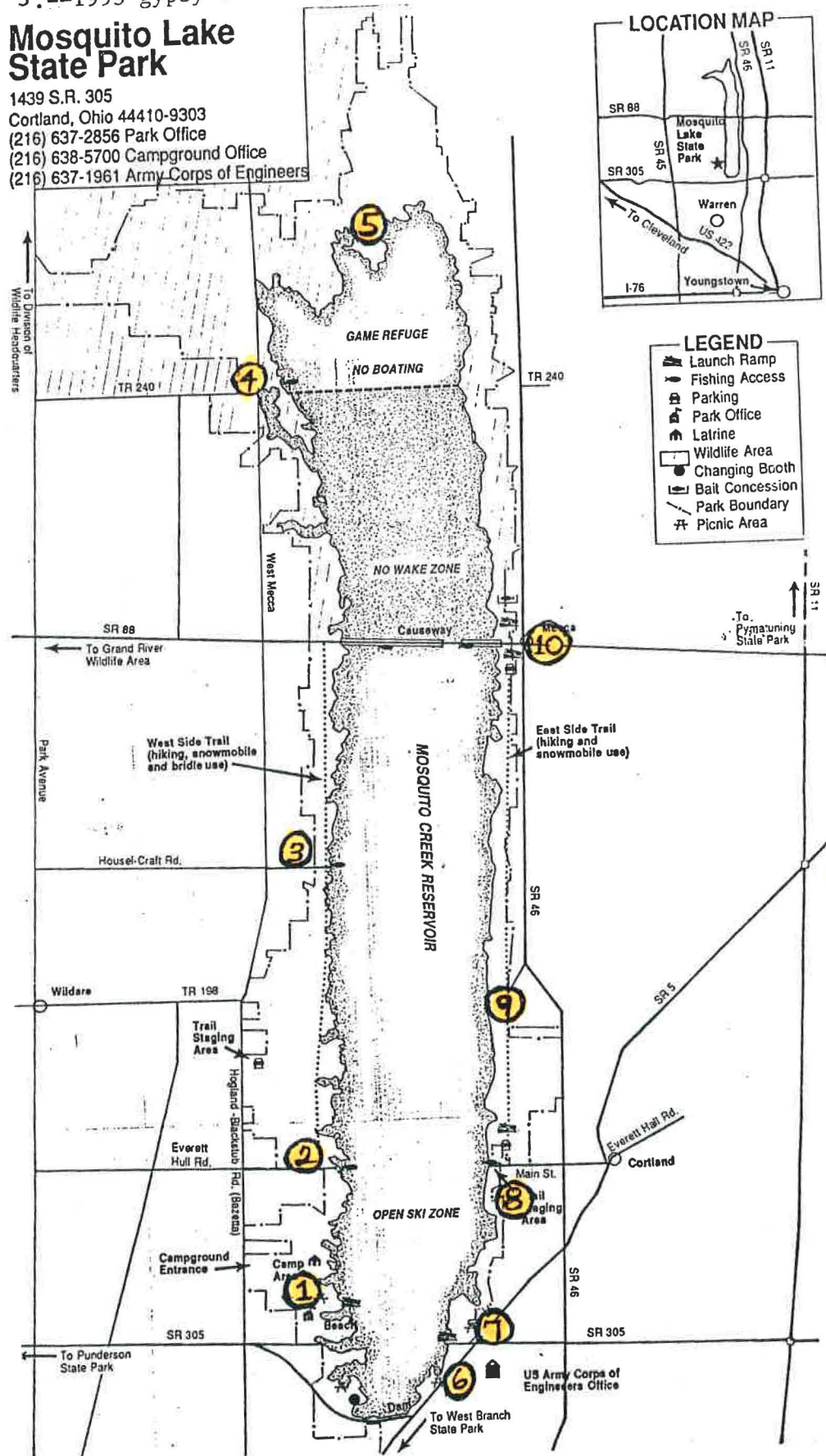


=Positive male moth catch

Figure 3.--1993 gypsy moth trap locations.

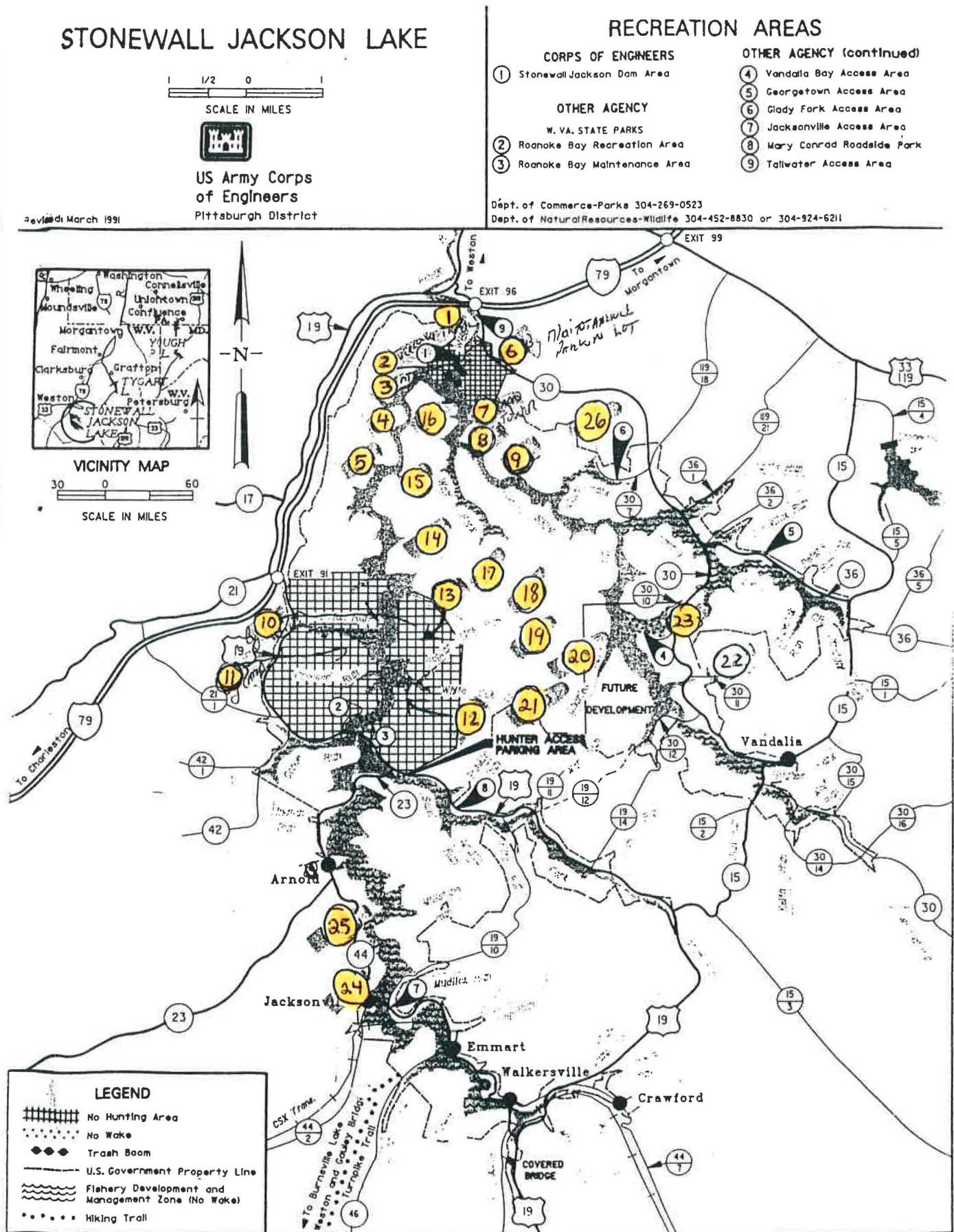
Mosquito Lake State Park

1439 S.R. 305
 Cortland, Ohio 44410-9303
 (216) 637-2856 Park Office
 (216) 638-5700 Campground Office
 (216) 637-1961 Army Corps of Engineers



=Positive male moth catch

Figure 4.--1993 Gypsy moth trap locations.



=Positive male moth catch

Figure 5.--1993 Gypsy moth trap locations.

